

GenCore version 5.1.6  
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OW protein - protein search, using sw model

Run on: August 22, 2003, 15:06:22 ; Search time 58 Seconds  
(without alignments)  
796.321 Million cell updates/sec

Title: US-09-745-506-37

Perfect score: 1799

Sequence: 1 MDKALSLSLNDFASLSPAE.....LEKNITILSETRDPIQVY 350

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 497079 seqs, 131961718 residues

Total number of hits satisfying chosen parameters: 497079

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications\_AA.\*

1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09B\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	366	20.3	68	9	US-09-864-761-43200
2	230	12.8	380	10	US-09-738-626-5952
3	218.5	12.1	287	10	US-10-156-761-13402
4	109.5	6.1	316	8	US-08-808-031A-45
5	101	5.6	673	15	US-10-005-956-2
6	101	5.6	673	15	US-10-005-956-4
7	101	5.6	673	15	US-10-005-956-847
8	101	5.6	673	15	US-10-005-956-857
9	97	5.4	488	9	US-09-815-242-11444
10	96.5	5.4	493	14	US-10-002-593-10
11	96.5	5.4	709	15	US-10-164-163-24
12	92	5.1	1052	15	US-10-156-761-8283
13	91.5	5.1	815	15	US-10-246-354-3
14	91	5.1	1032	11	US-09-954-987B-6
15	91	5.1	1032	12	US-10-272-502A-7

16	90.5	5.0	2090	9	US-09-736-969A-93
17	90.5	5.0	2090	10	US-09-736-960-90
18	90.5	5.0	2090	10	US-09-736-968A-107
19	90.5	5.0	2090	11	US-09-978-244A-28
20	90.5	5.0	3352	15	US-10-156-761-7961
21	89	4.9	525	10	US-09-814-550-2
22	87.5	4.9	389	12	US-10-205-219-165
23	87.5	4.9	800	9	US-09-815-242-5349
24	87.5	4.9	800	9	US-09-815-242-12139
25	87.5	4.9	800	9	US-09-815-242-13136
26	87.5	4.9	917	9	US-09-815-242-5603
27	87.5	4.9	920	9	US-09-815-242-12181
28	87.5	4.9	920	9	US-09-815-242-12995
29	87.5	4.9	920	9	US-09-815-242-13148
30	86.5	4.8	389	15	US-10-128-714-3369
31	86.5	4.8	1073	9	US-09-815-242-12361
32	86.5	4.8	1147	12	US-09-815-242-5468
33	86	4.8	729	12	US-10-301-997-30
34	86	4.8	975	11	US-09-842-758-33
35	86	4.8	1014	11	US-09-842-758-2
36	86	4.8	1014	11	US-09-842-758-32
37	86	4.8	1032	11	US-09-842-758-31
38	86	4.8	1032	12	US-10-199-672-552
39	86	4.8	1032	12	US-10-187-749-552
40	86	4.8	1032	12	US-10-194-457-552
41	86	4.8	1032	14	US-10-052-586-552
42	86	4.8	1032	15	US-10-174-590-552
43	86	4.8	1032	15	US-10-176-758-552
44	86	4.8	1032	15	US-10-175-737-552
45	86	4.8	1032	15	US-10-173-706-552

## ALIGNMENTS

RESULT 1  
US-09-864-761-43200  
; Sequence 43200, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: Acomlca-X-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30

Sequence 93, Appl  
Sequence 90, Appl  
Sequence 107, Appl  
Sequence 28, Appl  
Sequence 7961, Ap  
Sequence 2, Appl1  
Sequence 165, App  
Sequence 5349, Ap  
Sequence 12139, A  
Sequence 13136, A  
Sequence 5603, Ap  
Sequence 12181, A  
Sequence 12995, A  
Sequence 13148, A  
Sequence 3369, Ap  
Sequence 12361, A  
Sequence 5468, Ap  
Sequence 30, Appl  
Sequence 33, Appl  
Sequence 32, Appl  
Sequence 31, Appl  
Sequence 552, App  
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; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 43200
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC005037.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.69
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.89
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1
; OTHER INFORMATION: EST_HUMAN HIT: BE275324.1, EVALUO 4.00e-35
; OTHER INFORMATION: SWISSPROT HIT: P54472, EVALUO 1.00e-10
; US-09-864-761-43200

Query Match      20.3%; Score 366; DB 9; Length 68;
Best Local Similarity 100.0%; Pred. No. 5.5e-30;
Matches 68; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      51 MEEVLQKKADLLSYHPPIFRPMKRITWNTWKEKRLVIRALENRVGITYSPHTAYDAAPGV 110
Db      1 MEEVLQKKADLLSYHPPIFRPMKRITWNTWKEKRLVIRALENRVGITYSPHTAYDAAPGV 60
QY      111 NNMLAKGL 118
Db      61 NNMLAKGL 68

RESULT 2
US-09-738-626-5952
; Sequence 5952, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 5952
; LENGTH: 380
; TYPE: PRT
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; ORGANISM: Corynebacterium glutamicum
; US-09-738-626-5952

Query Match      12.8%; Score 230; DB 10; Length 380;
Best Local Similarity 24.5%; Pred. No. 6.8e-15;
Matches 89; Conservative 72; Mismatches 154; Indels 48; Gaps 13;

QY      17 SPAESWDNVGLLESPSPHYVNTLEFINDLLEEVMEVLQKKADLLSYHPPIFRPMKRI 76
Db      20 ALAESWDNVGLIC-GDPTESYKRVGLADCTQAVADKAVDMGLMLIIHHBLLRGVYSV 78
QY      77 TWNTWKEKRLVIRALENRVGITYSPHTAYDAAPGVNNMLAKGLGAGCTSPRIHSPKAPNPT 136
Db      79 AADEPKGVHITLLINGVALFSAHTNADSAKRGVNDKLAELVGTAGPILTRLLGMDK 138
QY      137 EGNHREFFNVYTDL--DKWSAVKG-----IDGVS-----YTSFSARTGNEBOTRIN 183
Db      139 MGVHLPKDAVLYKMLMDAGAGALGDRECAFELEGVGQRPVPGANPAEGVDK----- 194
QY      184 LNCYOKALMOYVDLFSRNKOLYKTEIL----SLEKPLL----LH-----TGMRLC 227
Db      195 ---LFKSLLELIEFVAPRNLPARLTSVLEAHPEEPAPFDIVEMHSAELENATGIGHVG 251
QY      228 TLDESVSATMIDRIKRLKLSHRLAIGVGT--LESOQVYVMLCAGSSSVLQGV--- 282
Db      252 ELPEPMRLADPVQOAVNNLPYTE---WGVRAATGDPEDMVSRAVSSGSGSFLNDVYIKL 307
QY      283 EADLYTGEMSHHDTLDAASQ-GINVIICEHSNFERGLSDLRDML-DSHLENKINILLS 340
Db      308 GVDVYVTSDLRHHHPVDELREGGPAVIDTAHMASFFPTSQAGELIDKAKQVEVDVSI 367
QY      341 ETD 343
Db      368 RTD 370

RESULT 3
US-10-156-761-13402
; Sequence 13402, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 13402
; LENGTH: 287
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
; US-10-156-761-13402

Query Match      12.1%; Score 218.5; DB 15; Length 287;
Best Local Similarity 21.9%; Pred. No. 6.7e-14;
Matches 79; Conservative 46; Mismatches 125; Indels 11; Gaps 8;

QY      3 LKALLSINDFASISFAESWDNVGLLESPSPHYVNTLEFINDLLEEVMEVLQKKADLI 62
Db      4 LSEVLALENLMPRAEASMDVAGTVVGDPOEVARVAFV-DEVREIVDEAVHLGADLI 62
QY      63 LSHHPPIFRPMKRITWNTWKEKRLVIRALENRVGITYSPHTAYDAAPGVNNMLAKGLGAGCT 122
Db      63 LSHHPPIFRPMKRITWNTWKEKRLVIRALENRVGITYSPHTAYDAAPGVNNMLAKGLGAGCT 122
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Db 63 VTHHPLYLGGTTVAASFTEKRAVHTLLIKNDIALHVAHTNADRADPGVSDALAGALDLY 122  
QY 123 SRPIHSPKAPNTPTSENNHVEFEENVNTQDLDKMSAVKIDGVSVTSFSARKGENEQTRI 182  
Db 123 VRLPYVD--PGDP-----DG-----135  
QY 183 NUNCTOKALMOVVDLSRNKOLYKTEILSLEKPLLLHTGMRCTLDSEVSATMIDRI 242  
Db 136 -----RRLGRVCAIDHPVTVREPARA 158  
QY 243 KRLHLKSHIRLALGVRTLESQVYKVALCAGSGSVLAGVEA---DLVLTGEMSHHD-- 297  
Db 159 AARLPAT--AGGIRVAGDEALVRYVAVSGSGDSLFDVYRAAGVDAFLNDLRHHPRABE 216  
QY 298 -----LDAASOGINVILCEHSTNTERGFLSDLRMDLSLENKINITLSETDND 345  
Db 217 FMADRAHSPALLDAAHMATEMPWCBLAAOLDEISDRHGW-----DLRVHVSXTVVD 269  
QY 346 P 346  
Db 270 P 270

RESULT 4  
US-08-808-031A-45  
; Sequence 45, Application US/08808031A  
; Publication No. US20020048802A1

GENERAL INFORMATION:

APPLICANT: Inouye, Sumiko

APPLICANT: Hsu, Mei-Yin

APPLICANT: Eagle, Susan

APPLICANT: Inouye, Masayori

TITLE OF INVENTION: PROKARYOTIC REVERSE TRANSCRIPTASE

NUMBER OF SEQUENCES: 52

CORRESPONDENCE ADDRESS:

ADDRESSEE: WEISER & ASSOCIATES

STREET: 230 South Fifteenth Street, Suite 500

CITY: Philadelphia

STATE: PA

COUNTRY: USA

ZIP: 19102

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/808,031A

FILING DATE: 03-MAR-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Weiser, Gerard J.

REGISTRATION NUMBER: 19,763

REFERENCE/DOCKET NUMBER: 377(913).5888P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 215-875-8383

TELEFAX: 215-875-8394

INFORMATION FOR SEQ ID NO: 45:

SEQUENCE CHARACTERISTICS:

LENGTH: 316 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-808-031A-45

Query Match 6.1%; Score 109.5; DB 8; Length 316;  
Best local Similarity 21.5%; Pred. No. 0.012;  
Matches 74; Conservative 50; Mismatches 113; Indels 107; Gaps 18;

QY 42 LTRNDLLEWVE-----EVLQKADLLISTPPTFRPKRITWTMTKHLVIRALENR 93  
Db 13 MKRGASEVMRSPPEPKWDIAKKKGCMRTIYHP-----SSKVKLLIQYMLMN 60

QY 94 VGIYSPHTAVDAPAGGVNMMLAKGACTSRPIHPSKAPRY-----P-----135  
Db 61 V--FSKLPMMNNAAYAFVKNKSIK-----SNALLHASKNKRYVKIDKDFEPIKCTDFE 113  
QY 136 ---TEGNHREFEVNTQDLDKMSAVKIDGV-----VTSFSAKTGNEEQ 179  
Db 114 YAFTRRDRIREFTEEDKEL---LQLIKTCFISDSTLPIGFTSPLIANFVAREDEK- 169  
QY 180 TRINLCTOKALMOVVDLSRNKOLYKTEILSLEKPLLLHTGMRCTLDSEVSATMIDRI 229  
Db 170 -----LTKK--LNAIDKLNAATRYADITVSTNM-----KASKL-----1L 205  
QY 240 DRIRHLKSHIRLALGVRTLESQVYKVALCAGSGSVLAGVEA---DLVLTGEMSHHD 296  
Db 206 DCFRRRTK-----EIGDFKINIKKFKICASGSIYVGLKVCCHDPIITLHNSMKD 257  
QY 297 T-----LDAASOGINVILCEHSTNTERGFLSDLRMDLSLENKINITLSETDND 345  
Db 258 KIRLHLKSHIRLALGVRTLESQVYKVALCAGSGSVLAGVEA---DLVLTGEMSHHD 296

RESULT 5  
US-10-005-956-2  
; Sequence 2, Application US/10005956  
; Publication No. US20030113726A1

GENERAL INFORMATION:

APPLICANT: Bristol-Myers Squibb Company

TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS

FILE REFERENCE: D0053NP

CURRENT APPLICATION NUMBER: US/10/005,956

PRIOR FILING DATE: 2001-12-03

PRIOR FILING DATE: 2000-12-04

PRIOR FILING DATE: 2001-01-23

PRIOR FILING DATE: 2001-03-02

NUMBER OF SEQ ID NOS: 1579

SOFTWARE: Patent version 3.0

SEQ ID NO 2

LENGTH: 673

TYPE: PRT

ORGANISM: homo sapiens

US-10-005-956-2

Query Match 5.6%; Score 101; DB 15; Length 673;  
Best local Similarity 19.9%; Pred. No. 0.28;  
Matches 70; Conservative 55; Mismatches 121; Indels 106; Gaps 16;

QY 20 ESDNNGVLVPSPPHTVNTLFLNDLTEVMEVLOKADLLI-SYHP-----PIPRPM 73  
Db 164 DTWESYDLALOGNSROLVS---ITTNL-----VDLWGSERPPVPOPIYALQ 208  
QY 74 KRLTWMTKRELVIRALENVGIVSPHTAADAPOGV-----NNMLAKGLACTSRPI 136  
Db 209 EAFGTGWQEKV-----SGVRSQMQKQKQPTAVLLALBERTAFLF-----L 251  
QY 127 HPSKAPRYPTGHRHREFEVNTQDLDKMSAVKIDGVSVTSFSAKTGNEEQTRI 186  
Db 252 RASDIPYNP-----FFYSYLLND-----SSIRLFAFKNSRFSSETLSYLSSC 294  
QY 187 TOKALMOVVD-----LSRNKOLYKTEILSLEKPLLLHTGMRCT 228  
Db 295 TGPWCVOIEDYISOVRDIOAVSLGDVRIWIGTITMTGITEMPREK-----L 342  
QY 229 LDESVSATMIDRIKRR-----LKLSHIRLALGVGR---VLESQVYKVALCAGSGSVLQ 280  
Db 343 VDTIYSPVMTKRAVKNSEKDALAKASHVRDAVAVIRLVLEKNVPRGTVDEPFGAIIYD 402  
QY 281 GVEADLVLTGEMSHHDTLDAASOGINVILCEHSNTE---RGLSGLRMDLSD 329  
Db 403 KFRGEQFSSGSP--FETISAS--GLNMAALHAYSPTELNRKLSDEMYLLDS 451

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RESULT 6
US-10-005-956-4
; Sequence 4, Application US/10005956
; Publication No. US20030113726A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
; FILE REFERENCE: D0053NP
; CURRENT APPLICATION NUMBER: US/10/005,956
; CURRENT FILING DATE: 2001-12-03
; PRIOR APPLICATION NUMBER: 60/251,015
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: 60/263,678
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/273,037
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1579
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 673
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-005-956-4
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Query Match
Best Local Similarity 19.9%; Pred. No. 0.28;
Matches 70; Conservative 55; Mismatches 121; Indels 106; Gaps 16;
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QY 20 ESMQNVGLVPEPPPHVTNLTFLNDLTEEVMEVLOKKADLL-SYHP-----PIPRPM 73
DB 164 DTWESYDALOGSNROLVS---ITTNL-----VDLVGSERPVPNPQIYALQ 208
QY 74 KRITWNTKERYVTALENRGVISPHTAYDAPOGV-----NNMLAKGLACTSRPI 126
DB 209 EAFGTSTQOEKV-----SGVRSQOMQKHQVPAVLLSLEETAFLFN-----L 251
QY 127 HPSKAPNYPTEGNHVEFNVTYDLDKVASVKGIDGVSPTSFGARTGNEQTRINLC 186
DB 252 RASDIPYNP-----FFYSYTLTLD-----SSIRLFANKSRFSETLSYLNSSC 294
QY 187 TOKALMQVDF-----LSRNQOLYQKTEILSLERPLLHTGMRCT 228
DB 295 TGPWCVOLEDYSQVRDSIQAVSLGDVRITGTSYTMGIYEMIPREK-----L 342
QY 229 LDESVSATMTIDRIKRH-----LKLSHIRLALGYGR---TLESQYKVALCAGSGSSYLQ 280
DB 343 VTDIYSPVMTKAVKNSKEQALLKASHVRDAVAIRLYLWLEKNVPGKTVDSEFGAETVD 402
QY 281 GVEADLYLTGEMSHDITDAASOGINVLCEHSNTE---RGFLSDLRMDLS 329
DB 403 KFRGEOPSSGSPS-FETISAS--GLNALAHYSPTKELNRLKSSDEMAYLLDS 451
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RESULT 7
US-10-005-956-847
; Sequence 847, Application US/10005956
; Publication No. US20030113726A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
; FILE REFERENCE: D0053NP
; CURRENT APPLICATION NUMBER: US/10/005,956
; CURRENT FILING DATE: 2001-12-03
; PRIOR APPLICATION NUMBER: 60/251,015
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: 60/263,678
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/273,037
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1579
; SOFTWARE: PatentIn version 3.0
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; SEQ ID NO 847
; LENGTH: 673
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-005-956-847
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Query Match
Best Local Similarity 19.9%; Pred. No. 0.28;
Matches 70; Conservative 55; Mismatches 121; Indels 106; Gaps 16;
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QY 20 ESMQNVGLVPEPPPHVTNLTFLNDLTEEVMEVLOKKADLL-SYHP-----PIPRPM 73
DB 164 DTWESYDALOGSNROLVS---ITTNL-----VDLVGSERPVPNPQIYALQ 208
QY 74 KRITWNTKERYVTALENRGVISPHTAYDAPOGV-----NNMLAKGLACTSRPI 126
DB 209 EAFGTSTQOEKV-----SGVRSQOMQKHQVPAVLLSLEETAFLFN-----L 251
QY 127 HPSKAPNYPTEGNHVEFNVTYDLDKVASVKGIDGVSPTSFGARTGNEQTRINLC 186
DB 252 RASDIPYNP-----FFYSYTLTLD-----SSIRLFANKSRFSETLSYLNSSC 294
QY 187 TOKALMQVDF-----LSRNQOLYQKTEILSLERPLLHTGMRCT 228
DB 295 TGPWCVOLEDYSQVRDSIQAVSLGDVRITGTSYTMGIYEMIPREK-----L 342
QY 229 LDESVSATMTIDRIKRH-----LKLSHIRLALGYGR---TLESQYKVALCAGSGSSYLQ 280
DB 343 VTDIYSPVMTKAVKNSKEQALLKASHVRDAVAIRLYLWLEKNVPGKTVDSEFGAETVD 402
QY 281 GVEADLYLTGEMSHDITDAASOGINVLCEHSNTE---RGFLSDLRMDLS 329
DB 403 KFRGEOPSSGSPS-FETISAS--GLNALAHYSPTKELNRLKSSDEMAYLLDS 451
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RESULT 8
US-10-005-956-857
; Sequence 857, Application US/10005956
; Publication No. US20030113726A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
; FILE REFERENCE: D0053NP
; CURRENT APPLICATION NUMBER: US/10/005,956
; CURRENT FILING DATE: 2001-12-03
; PRIOR APPLICATION NUMBER: 60/251,015
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: 60/263,678
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/273,037
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1579
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 857
; LENGTH: 673
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-005-956-857
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Query Match
Best Local Similarity 19.9%; Pred. No. 0.28;
Matches 70; Conservative 55; Mismatches 121; Indels 106; Gaps 16;
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QY 20 ESMQNVGLVPEPPPHVTNLTFLNDLTEEVMEVLOKKADLL-SYHP-----PIPRPM 73
DB 164 DTWESYDALOGSNROLVS---ITTNL-----VDLVGSERPVPNPQIYALQ 208
QY 74 KRITWNTKERYVTALENRGVISPHTAYDAPOGV-----NNMLAKGLACTSRPI 126
DB 209 EAFGTSTQOEKV-----SGVRSQOMQKHQVPAVLLSLEETAFLFN-----L 251
QY 127 HPSKAPNYPTEGNHVEFNVTYDLDKVASVKGIDGVSPTSFGARTGNEQTRINLC 186
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Db 252 RASDIPYNP-----FFSYTLTLD-----SSIRLFANKSRFSSETLSYLNSSC 294  
Qy 187 TOKALQOVDF-----LSRNKOLYOKTEIILSKRPLLLHTGMGRCT 228  
Db 295 TGMCAQIEDIYSVBRDIOAYSLGADVIRIMIGTYTMGIYEMTPRER-----L 342  
Qy 229 LDESVSLATMIDRIKRR-----LKLSHIRLALGVGR---TLESQVKKVALJAGSGSSVLQ 280  
Db 343 VEDTYSPPVMTKAVKNSKEQALAKASHVRDAVAVIRLWLEKNVPGKGVDFSGAEIYD 402  
Qy 281 GVADADYLITGEMSHHDTLDAASOGINVIICEHSNTE---RGFLSDLRMDIS 329  
Db 403 KRGEEQFSSGPS-FETISAS--GLNALAHYSPTKRLNKLSSDEMYLLDS 451

## RESULT 9

US-09-815-242-11444  
; Sequence 11444, Application US/09815242  
; Patent No. US20020061569A1  
; GENERAL INFORMATION:  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Karl L.  
; APPLICANT: Zyskind, Judith W.  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John D.  
; APPLICANT: Cair, Grant J.  
; APPLICANT: Yamamoto, Robert T.  
; APPLICANT: Xu, H. Howard  
; TITLE OF INVENTION: Identification of Essential Genes in  
; FILE REFERENCE: ELITRA.011A  
; CURRENT APPLICATION NUMBER: US/09/815,242  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; NUMBER OF SEQ ID NOS: 14110  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11444  
; LENGTH: 488  
; TYPE: PRT  
; ORGANISM: Helicobacter pylori  
US-09-815-242-11444

Query Match 5.4%; Score 97; DB 9; Length 488;  
Best Local Similarity 20.9%; Pred. No. 0.44;

Matches 78; Conservative 53; Mismatches 129; Indels 114; Gaps 17;

Qy 12 DNASLFAESMDNVGLIVPPSPPHV-NTLF-LTNDLVEEVEVLQKADLLSYHPT 69  
Db 81 DLVAIFAAPIDINIEAYVEIKKASIKRLEGLANTIRQALESA-QKSSDLIGAVEREV 139  
Qy 70 -----FRPMKR-----ITWTKERLYIRALENRVGIYSPHTAVDAPOGY 110  
Db 140 VALLNGSTIEGFRNKIEVLESAMDLTENQRKGSLEV-----TGIPTEFVOLDNTYSGF 193  
Qy 111 NNMALAGLACTSRPIHPSKAPNYPTEGHNHREVENNYTQDDKRVSAVK3IDGVSVTSF 170  
Db 194 NKGSLVITGA-----RPSMGKTSILMMN-----VLSALNDRGVAVFS- 231  
Qy 171 SARTGNEBOTRINLCTOKALMOQVDFLSRNKOLYOKTEIILSKRPLLLHTGMGRCTLD 230

Db 232 -----LMSAEOALRALSDLTISNMH-----DLES-----GRLDD-D 263  
Qy 231 ESVSLATMIDRI-----KRLKLSHRLALGVGRITLESQVKKVALCAGSGSSVLQ 281  
Db 264 QMENLAKCFDHLISOKRLEFFDYKSYVRLEQIRQL---RKLKSOHKEGIFIDYLDQMSG 320  
Qy 282 VEADLYLTGEMSHHDTLDAASOGINVIITL-----CEHSNTERGFLSDLRD 325  
Db 321 SKA-----TKRHEQIAEISRELKTLARELEPIITALVOLNLSLENRDOKRPLSDIKD 374  
Qy 326 MLDSSHENKINIL 339  
Db 375 --SGIEQDADIVL 386

## RESULT 10

US-10-002-593-10  
; Sequence 10, Application US/10002593  
; Publication No. US20020137120A1  
; GENERAL INFORMATION:  
; APPLICANT: Vanderbilt University  
; APPLICANT: Brown, Nancy J.  
; TITLE OF INVENTION: BIOLOGICAL MARKERS AND DIAGNOSTIC TESTS FOR ANGIOTENSIN CONVER  
; FILE REFERENCE: INHIBITOR AND VASOPEPTIDASE INHIBITOR ASSOCIATED ANGIOEDEMA  
; CURRENT APPLICATION NUMBER: US/10/002,593  
; CURRENT FILING DATE: 2001-10-31  
; PRIOR APPLICATION NUMBER: 60/244,524  
; PRIOR FILING DATE: 2000-10-31  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 10  
; LENGTH: 493  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-002-593-10

Query Match 5.4%; Score 96.5; DB 14; Length 493;  
Best Local Similarity 20.1%; Pred. No. 0.5; Length 493;

Matches 60; Conservative 45; Mismatches 108; Indels 85; Gaps 12;

Qy 68 PIRPMKRITWNTWTKERLYIRALENRVGIYSPHTAVDAPOGY-----NNMLANGIGA 120  
Db 23 PIVLQEAFTGTSWQEKV-----SGVRSQHQKQKVPTAVLLSLETFWLFN---- 70  
Qy 121 CTSRPIHPSKAPNYPTEGHNHREVENNYTQDDKRVSAVK3IDGVSVTSFSAATGNEOT 180  
Db 71 -----LRASDIPYNP-----FFSYTLTLD-----SSIRLFANKSRFSSETLS 108  
Qy 181 RIMLCTOKALMOQVDF-----LSRNKOLYOKTEIILSKRPLLLHTG 222  
Db 109 YLMSCTGPMCAQIEDIYSVBRDIOAYSLGADVIRIMIGTYTMGIYEMTPRER----- 161  
Qy 223 MGRICLTDESVSATMIDRIKRR-----LKLSHIRLALGVGR---TLESQVKKVALCAGS 274  
Db 162 -----LVTDIYSPVMTKAVKNSKEQALAKASHVRDAVAVIRLWLEKNVPGKGVDFSGAEIYD 216  
Qy 275 GSSVLOGVEADLYLTGEMSHHDTLDAASOGINVIICEHSNTE---RGFLSDLRMDIS 329  
Db 217 GAEIVDKFRGEEQFSSGPS-FETISAS--GLNALAHYSPTKRLNKLSSDEMYLLDS 271

RESULT 11  
US-10-164-163-24  
; Sequence 24, Application US/10164163  
; Publication No. US20030073812A1  
; GENERAL INFORMATION:  
; APPLICANT: Colucci, Gabriella  
; TITLE OF INVENTION: NO. US20030073812A1-Endogenous Constitutively Activated Versio  
; FILE REFERENCE: AREN-0383  
; CURRENT APPLICATION NUMBER: US/10/164,163  
; CURRENT FILING DATE: 2002-06-05



DB 262 SSSPVHKELEKLSERSSDGECAVEENGITTV 295

RESULT 14

US-09-954-987B-6  
 ; Sequence 6, Application US/09954987B  
 ; Publication No. US20030104523A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Stefan Bauer  
 ; APPLICANT: Grayson B. Lipford  
 ; APPLICANT: Hermann Wagner  
 ; TITLE OF INVENTION: PROCESS FOR HIGH THROUGHPUT SCREENING OF  
 ; FILE REFERENCE: C1041/7016 (AMS)  
 ; CURRENT APPLICATION NUMBER: US/09/954,987B  
 ; CURRENT FILING DATE: 2001-09-17  
 ; PRIOR APPLICATION NUMBER: US 60/233,035  
 ; PRIOR FILING DATE: 2000-09-15  
 ; PRIOR APPLICATION NUMBER: US 60/263,657  
 ; PRIOR FILING DATE: 2001-01-23  
 ; PRIOR APPLICATION NUMBER: US 60/291,726  
 ; PRIOR FILING DATE: 2001-05-17  
 ; PRIOR APPLICATION NUMBER: US 60/300,210  
 ; PRIOR FILING DATE: 2001-06-22  
 ; NUMBER OF SEQ ID NOS: 230  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 6  
 ; LENGTH: 1032  
 ; TYPE: PRP  
 ; ORGANISM: Homo sapiens  
 ; US-09-954-987B-6

Query Match 5.1%; Score 91; DB 11; Length 1032;  
 Best Local Similarity 24.8%; Pred. No. 5.7; Indels 86; Gaps 20;  
 Matches 82; Conservative 42; Mismatches 118;

QY 3 LKALLSLN-----DFASLFAESMDNVLVEPSPHTVNTLFTLN-----DTEEV 50  
 DB 336 LKRLNLSFYOKRVFAHLSLAPSGSLVALKELD-----MGIFRSIDETTLRLAPLP 391  
 QY 51 MEEVLQKADLLSYHPPIFRPMKRTTWNTWKERLVIRALENRVGISPHTA-YDAAPOG 109  
 DB 392 MLQTLRLQNFQINQALQIGIFRAFPGLRY-----VDSDRNISGASELTATMGADG 443  
 QY 110 VNNMLAKG--LGACSRPIHPKAPNYPRGHNHVEFNNTYODDLKVSAYKGDIGVSY 167  
 DB 444 EKVMLOPGLAPAPVDTPSSEDFRPNCST-----LNFLLDSR-----NNLVTVOP 489  
 QY 168 TSFSARTGNEQTRINLCTOKAL-----MOVDFLSRNK-OLYOK--TEILSL 213  
 DB 490 EMF-AQLSHLOCLRLSHNCISQAVNGSOFPLTGLQYLD-LSRNKIDLYHHSFTLRLP 547  
 QY 214 EKPLLLHT-----GMGRCLTLDSEVSLSATMIDRIKRLKLSHRLALGVGRTLESQYK 266  
 DB 548 EALDLSYNSQPRGMQGVG-----HNFSFVAHL-RTLRLHLSLAH-----NNHSQVS 592  
 QY 267 VVALCAG-----SGSSV-LOGVEADLYL 288  
 DB 593 -QQLCSTSLRALDFSGNALGHMMAEGDLYL 621

RESULT 15

US-10-272-502A-7  
 ; Sequence 7, Application US/10272502A  
 ; Publication No. US20030139364A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Krieg, Arthur M.  
 ; APPLICANT: Schetter, Christian  
 ; APPLICANT: Bratzler, Robert L.  
 ; APPLICANT: Vollmer, Jorg  
 ; APPLICANT: Bauer, Stefan  
 ; APPLICANT: Jurk, Marion

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR ENHANCING IMMUNE RESPONSES USING  
 ; FILE REFERENCE: C01039, 70065 US  
 ; CURRENT APPLICATION NUMBER: US/10/272,502A  
 ; CURRENT FILING DATE: 2002-10-15  
 ; PRIOR APPLICATION NUMBER: 60/329,208  
 ; PRIOR FILING DATE: 2001-10-12  
 ; NUMBER OF SEQ ID NOS: 31  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 7  
 ; LENGTH: 1032  
 ; TYPE: PRP  
 ; ORGANISM: Homo sapiens  
 ; US-10-272-502A-7

Query Match 5.1%; Score 91; DB 12; Length 1032;  
 Best Local Similarity 24.8%; Pred. No. 5.7; Indels 88; Gaps 20;  
 Matches 82; Conservative 42; Mismatches 118;

QY 3 LKALLSLN-----DFASLFAESMDNVLVEPSPHTVNTLFTLN-----DTEEV 50  
 DB 336 LKRLNLSFYOKRVFAHLSLAPSGSLVALKELD-----MGIFRSIDETTLRLAPLP 391  
 QY 51 MEEVLQKADLLSYHPPIFRPMKRTTWNTWKERLVIRALENRVGISPHTA-YDAAPOG 109  
 DB 392 MLQTLRLQNFQINQALQIGIFRAFPGLRY-----VDSDRNISGASELTATMGADG 443  
 QY 110 VNNMLAKG--LGACSRPIHPKAPNYPRGHNHVEFNNTYODDLKVSAYKGDIGVSY 167  
 DB 444 EKVMLOPGLAPAPVDTPSSEDFRPNCST-----LNFLLDSR-----NNLVTVOP 489  
 QY 168 TSFSARTGNEQTRINLCTOKAL-----MOVDFLSRNK-OLYOK--TEILSL 213  
 DB 490 EMF-AQLSHLOCLRLSHNCISQAVNGSOFPLTGLQYLD-LSRNKIDLYHHSFTLRLP 547  
 QY 214 EKPLLLHT-----GMGRCLTLDSEVSLSATMIDRIKRLKLSHRLALGVGRTLESQYK 266  
 DB 548 EALDLSYNSQPRGMQGVG-----HNFSFVAHL-RTLRLHLSLAH-----NNHSQVS 592  
 QY 267 VVALCAG-----SGSSV-LOGVEADLYL 288  
 DB 593 -QQLCSTSLRALDFSGNALGHMMAEGDLYL 621

Search completed: August 22, 2003, 15:15:27  
 Job time : 59 secs

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